

PATENT

FRENCH PETROLEUM INSTITUTE

CATALYST IN THE FORM OF GRAINS COMPRISING AN ACIDIC POROUS
CORE SURROUNDED BY A UNIFORM EXTERNAL LAYER

Invention by Younes BOUIZI, Valentin VALTCHEV, Loic ROULEAU, Nicolas
BATS and Laurent SIMON

ABSTRACT

The invention relates to a catalyst that comes in the form of grains, each grain consisting of a core covered by at least one external layer, the core consisting of an acidic porous solid and having a size of between 0.1 micron and 0.4 millimeter, in which the external layer has a uniform thickness with a uniformity criterion C , which is less than 0.30, whereby said uniformity criterion C is defined as being equal to an average, on a number N of catalyst grain samples, of the ratio of the difference between the maximum thickness, $E_{i_{\max}}$, of the external layer and the minimum thickness, $E_{i_{\min}}$, of this same layer to the average of these two thicknesses $E_{i_{\max}}$ and $E_{i_{\min}}$.